

CLAIMS

1. An information process apparatus that manages data recorded on a record medium, comprising:

first generation means for generating management information that associates a first identifier that can identify the data in any area with information about the data;

second generation means for generating a second identifier that can identify the data in a storage area of the record medium, the data amount of the second identifier being smaller than that of the first identifier;

addition means for adding the second identifier generated by the second generation means to the management information to associate the second identifier with the information about the data; and

record means for recording the management information to which the second identifier has been added by the addition means on the record medium.

2. The information process apparatus as set forth in claim 1,

wherein the data contain at least one of video data, audio data, and meta data added to the video data.

3. The information process apparatus as set forth in claim 1,

wherein the information about the data

contains information about a directory path name and a file name of the data.

4. The information process apparatus as set forth in claim 1,

5 wherein the first identifier is composed of 64 bytes and the second identifier is composed of 20 bits.

5. The information process apparatus as set forth in claim 1,

10 wherein the second identifier is composed of a first portion that represents the type of the data and a second portion that represents a serial number of the second identifier.

15 6. The information process apparatus as set forth in claim 5, further comprising:

search means for searching a plurality of second identifiers recorded on the record medium for the maximum value of the second portion,

20 wherein the second generation means generates the second identifier according to the maximum value for which the search means has searched so that the second identifier does not become redundant to the plurality of second identifiers recorded on the record medium.

25 7. The information process apparatus as set forth in claim 1, further comprising:

reproduction means for reading the data from

the record medium and reproducing the data.

8. The information process apparatus as set forth in claim 7, further comprising:

read means for reading the management
5 information read by the record means; and

hold means for holding the management
information read by the read means,

wherein the reproduction means reads the data
to be reproduced from the record medium according to
10 the management information read by the read means and
held by the hold means and reproduces the data.

9. An information process method for an
information process apparatus that manages data
recorded on a record medium, the method comprising the
15 steps of:

generating management information that
associates a first identifier that can identify the
data in any area with information about the data;

generating a second identifier that can
20 identify the data in a storage area of the record
medium, the data amount of the second identifier being
smaller than that of the first identifier;

adding the second identifier generated by a
process of the second generation step to the management
25 information to associate the second identifier with the
information about the data; and

controlling the recording of the management

information to which the second identifier has been added by a process of the addition step on the record medium.

10. A program that causes a computer to execute a process that reproduces data recorded on a record medium, the program comprising the steps of:

generating management information that associates a first identifier that can identify the data in any area with information about the data;

generating a second identifier that can identify the data in a storage area of the record medium, the data amount of the second identifier being smaller than that of the first identifier;

adding the second identifier generated by a process of the second generation step to the management information to associate the second identifier with the information about the data; and

controlling the recording of the management information to which the second identifier has been added by a process of the addition step on the record medium.

11. A record medium on which data reproduced by an information process apparatus are recorded, management information that associates a first identifier that can identify the data in any area and a second identifier that can identify the data in a storage area of the record medium, the data amount of

the second identifier being smaller than that of the first identifier, with information about the data being recorded on the record medium.